Data Sheet

Cisco ISDN BRI S/T WIC for the Cisco 1600, 1700, 2600, 3600, and 3700 Series

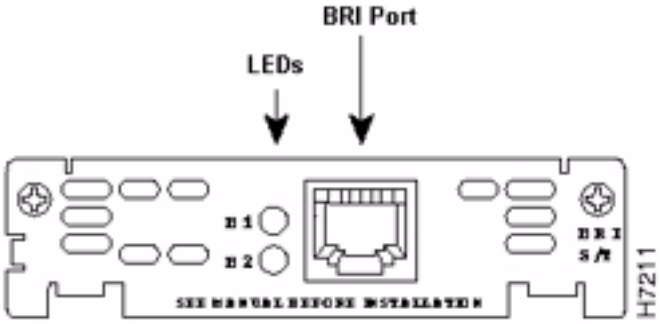
Introduction

Four versions of the ISDN Basic Rate Interface (BRI) S/T WAN interface card (WIC) exist (product numbers: WIC36-1B-S/T, WIC-1B-S/T, WIC-1B-S/T-V2, and WIC-1B-S/T-LL, see Figure 1). Offering a single ISDN BRI S/T interface, these WICs may require an external Network Termination 1 (NT1), depending on the region of the world. The WICs insert into a mixed-media network module or directly into the WIC slot on the Cisco 1600, 1700, 2600, 3600, or 3700 chassis. The ability to add BRI connectivity through a WIC enables administrators to maximize valuable slot space while providing additional connectivity options, such as Ethernet, on the same module.

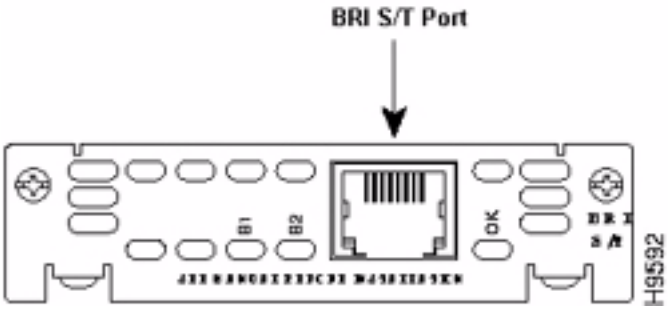
Note: The WIC with part number WIC-1B-S/T-LL is for leased-line BRIs.

Figure 1 Single Port ISDN BRI with S/T interface

WIC36-1B-S/T



WIC-1B-S/T



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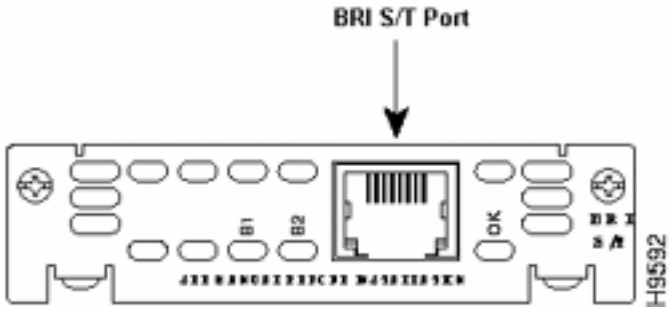
WIC-1B-S/T-V2



You can tell the difference between the BRI-S/T WICs in the following ways:

- The product number is printed on a label on the under side of the WIC.
- The WIC36 has a keying tab on the left side of the WIC.
- The WICs with part numbers WIC-1B-S/T and WIC-1B-S/T-V2 have an “OK” LED.
- Use the Cisco IOS® show diag command to see which WIC is in a network module.

Product Numbers

Table 1 gives the part numbers for the WICs.

Table 1 Part Numbers for ISDN BRI S/T WICs

Part Number	Description
WIC36-1B-S/T	One ISDN BRI port (S/T interface, requires external NT1)
WIC-1B-S/T	One ISDN BRI port (S/T interface, requires external NT1)
WIC-1B-S/T-V2	One ISDN BRI port (S/T interface, requires external NT1)

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Features

Table 2 gives the features of the ISDN BRI S/T WICs.

Table 2 Features of ISDN BRI S/T WICs

WIC36-1B-S/T	WIC-1B-S/T	WIC-1B-S/T-V2
• One ISDN BRI port (S/T interface, requires external NT1) • RJ-45 connector • Not compatible with Cisco 1600, 1720, 2600, or 3700 series • Does not support hot swapping; however, no hardware damage will occur if it is swapped while power is on • Maximum of one per NM-1E2W, NM-1E1R2W, and NM-2E2W card • Insert only into slot W1 of the 1E2W, 2E2W, and 1E1R2W network modules (the network module is physically keyed) • Not supported in NM-1FE1R2W, NM-1FE2W, NM-2FE2W, or NM-2W • Cannot mix in same network module with a WIC-1B-S/T WIC • (a WIC-1B-S/T can be used in a different network module in the same chassis) • End-of-sale date August 31,1997	• One ISDN BRI port (S/T interface, requires external NT1) • RJ-45 connector • Supported on Cisco 1600, 1700, 2600, 3600, and 3700 series • Cannot be used with Cisco 1603 or 1604 base units • Does not support hot swapping; however, no hardware damage will occur if it is swapped while power is onb • Can go into slot W0 or W1 of the 1E2W, 2E2W, and 1E1R2W network modules • Supported in NM-1FE1R2W, NM-1FE2W, NM-2FE2W, and NM-2W • Cannot insert into same network module that already has a WIC36-1B-S/T card (a WIC36-1B-S/T can be used in a different network module in the same chassis)	• One ISDN BRI port (S/T interface, requires external NT1) • RJ-45 connector • Supported on Cisco 1700, 2600, 3600, and 3700 series • Cannot be used with Cisco 1600 Series or the Cisco 1750 • Does not support hot swapping; however, no hardware damage will occur if it is swapped while power is on • Can go into slot W0 or W1 of the 1E2W, 2E2W, and 1E1R2W network modules • Supported in NM-1FE1R2W, NM-1FE2W, NM-2FE2W, and NM-2W • Cannot insert into the same network module that already has a WIC36-1B-S/T card (a WIC36-1B-S/T can be used in a different network module in the same chassis)

Platform Support

Table 3 gives an overview of Cisco IOS support on a by platform basis.

Table 3 Cisco IOS Support

Platform	Cisco 1601(R), 1602 (R), and 1605-R	Cisco 1603, 1603-R, 1604, and 1604-R	Cisco 1720, 1721, 1751, 1760	Cisco 1750	Cisco 2600 and 2600XM		Cisco 3620 and 3640		Cisco 3631	Cisco 3660		Cisco 2691, 3725, and 3745	
Carrier module	**Not required**	**Not required**	**Not required**	**Not required**	**Onboard**	**NM-2W**	**NM-1E2W, NM-1E1R2W, and NM-2E2W**	**NM-1FE2W, NM-1FE1R2W, NM-2FE2W, and NM-2W**	**Not required**	**NM-1E2W, NM-1E1R2W, and NM-2E2W**	**NM-1FE2W, NM-1FE1R2W, and NM-2FE2W, NM-2W**	**Onboard**	**NM-1FE2W, NM-1FE1R2W, NM-2FE2W, and NM-2W**
WIC-1B-S/T	All Cisco IOS releases	Not supported	All Cisco IOS releases	All Cisco IOS releases	All Cisco IOS releases		All Cisco IOS releases 11.2(4)XA, 11.2(5)P, all 11.3, 11.3T, and all 12.x		All Cisco IOS releases	All Cisco IOS releases		All Cisco IOS releases	
WIC36-1B-S/T	Not supported	Not supported	Not supported	Not supported	Not supported		Releases 11.x, 12.0, 12.0T, 12.1, 12.1T, and 12.2;not supported in 12.2T		Not supported	Not supported		Not supported	
WIC-1B-S/T-V2	Not supported	Not supported	First supported in 12.0(25), 12.1(19), 12.2(16), and 12.3(1)	Not supported	First supported in 12.0(25), 12.1(19), 12.2(16), and 12.3(1)		First supported in 12.0(25), 12.1(19), 12.2(16), and 12.3(1)		First supported 12.3(1)	First supported in 12.0(25), 12.1(19), 12.2(16), and 12.3(1)		First supported in 12.3(1)	

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Note: The Cisco IOS Software releases provided are typically the minimum version required to support the platform, module, or feature in question. Use the Software Advisor to choose appropriate software for your network device: match software features to Cisco IOS and Cisco Catalyst® Operating System (Catalyst OS) releases, compare Cisco IOS releases, or find out which software releases support your hardware. The Software Advisor and other tools are available in TAC Tools for Access-Dial Technologies.

Configuration

The WIC BRI interface configuration is similar to any other BRI interface. When the WIC is inserted into the router, it behaves like any BRI interface built into the router (for example, Cisco 800 and 1600 series routers).

If you need to troubleshoot the BRI circuit, refer to the BRI Troubleshooting flowchart.

Related Information

- Overview of Cisco Network Modules
- Overview of Cisco WAN and Voice Interface Cards
- Installing WAN and Voice Interface Cards
- Connecting WAN and Voice Interface Cards to a Network
- Access Products Support Page
- Access Technology Support Page

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